

10/022,471

=> d his

(FILE 'HOME' ENTERED AT 11:18:30 ON 06 JUN 2003)

FILE 'REGISTRY' ENTERED AT 11:19:39 ON 06 JUN 2003

L1 STRUCTURE UPLOADED
L2 QUE L1
L3 3 S L2
L4 197 S L2 SSS FUL

FILE 'CAPLUS' ENTERED AT 11:21:15 ON 06 JUN 2003

FILE 'REGISTRY' ENTERED AT 11:21:47 ON 06 JUN 2003

L5 STRUCTURE UPLOADED
L6 QUE L5
L7 67 S L6 SUB=L4 FUL

FILE 'CAPLUS' ENTERED AT 11:22:36 ON 06 JUN 2003

L8 86 S L7
L9 ANALYZE L8 1- RN HIT : 62 TERMS

FILE 'REGISTRY' ENTERED AT 11:22:56 ON 06 JUN 2003

L10 1 S 14052-65-4/RN
L11 66 S L7 NOT L10

FILE 'CAPLUS' ENTERED AT 11:24:28 ON 06 JUN 2003

L12 43 S L11
L13 14 S L12 AND PATENT/DT
L14 29 S L12 NOT L13
L15 0 S L14 AND 2003/SO
L16 1 S L14 AND 2002/SO
L17 1 S L14 AND 2001/SO
L18 0 S L14 AND 2000/SO
L19 41 S L12 NOT (L16 OR L17)

FILE 'REGISTRY' ENTERED AT 11:26:18 ON 06 JUN 2003

FILE 'CAPLUS' ENTERED AT 11:26:19 ON 06 JUN 2003

FILE 'REGISTRY' ENTERED AT 11:27:42 ON 06 JUN 2003

L20 STRUCTURE UPLOADED
L21 QUE L20
L22 0 S L21 SUB=L4 SAM
L23 2 S L21 SUB=L4 FUL

FILE 'CAPLUS' ENTERED AT 11:28:28 ON 06 JUN 2003

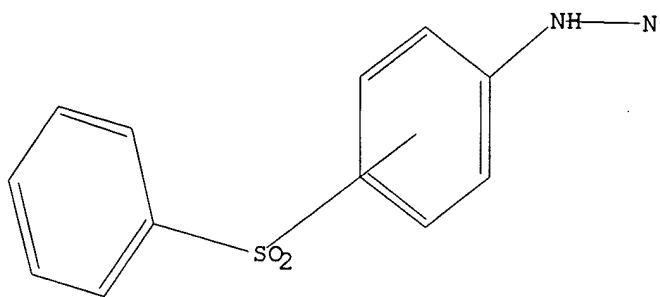
L24 1 S L23

=> d 12

L2 HAS NO ANSWERS

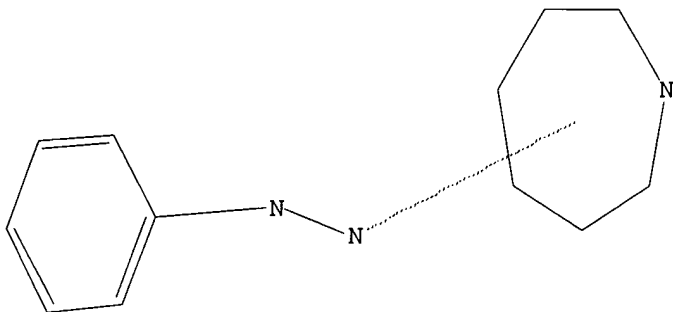
L1 STR

10/022,471



Structure attributes must be viewed using STN Express query preparation.
L2 QUE ABB=ON PLU=ON L1

=> d 120
L20 HAS NO ANSWERS
L20 STR

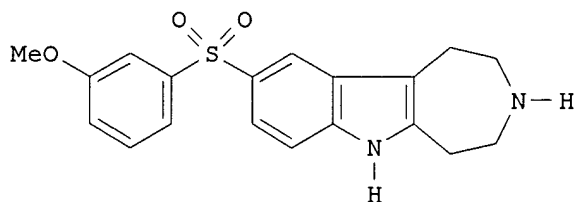
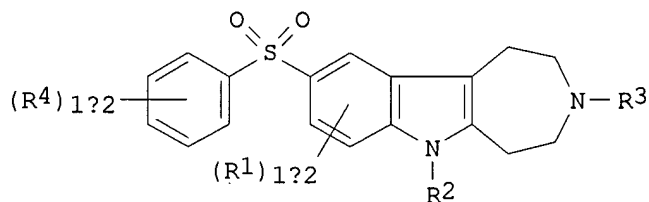


Structure attributes must be viewed using STN Express query preparation.

=> d bib abs hitstr 124

L24 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
 AN 2001:63999 CAPLUS
 DN 134:115945
 TI Preparation of 1,2,3,4,5,6-hexahydroazepino[4,5-b]indoles containing
 arylsulfones at the 9-position for treatment of CNS disorders
 IN Jacobsen, E. Jon; Hendges, Susan K.
 PA Pharmacia and Upjohn Company, USA
 SO PCT Int. Appl., 62 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001005793	A1	20010125	WO 2000-US16322	20000711
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,				
	CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,				
	HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,				
	LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,				
	SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,				
	YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,				
	DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,				
	CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
EP	1196417	A1	20020417	EP 2000-946798	20000711
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				
	IE, SI, LT, LV, FI, RO				
US	6468999	B1	20021022	US 2000-613843	20000711
JP	2003505391	T2	20030212	JP 2001-511452	20000711
US	2002111483	A1	20020815	US 2001-20549	20011030
US	2002128475	A1	20020912	US 2001-22471	20011030
US	2002156275	A1	20021024	US 2001-13858	20011030
PRAI	US 1999-144574P	P	19990719		
	US 2000-613843	A3	20000711		
	WO 2000-US16322	W	20000711		
OS	MARPAT 134:115945				
GI					



AB The title compds. I [R1 = H, halo, OH, alkoxy, OPh, CF3, CN, NO2, nitrogen derivs., carboxamide and sulfonamide derivs.; R2 or R3 is independently selected from H, alkyl, (un)substituted Ph or phenylalkyl (substituents = halo, OH, alkoxy, OPh, CF3, CN, NO2, nitrogen derivs., carboxamide and sulfonamide derivs.); R4 = H, F, Cl, alkyl, alkoxy, CF3, (un)substituted Ph or phenylalkyl, alkoxy, nitrogen derivs., carboxamide derivs., etc.] are prepd. and disclosed as central nervous system (CNS) agents. Thus II was prepd. from 1-[4-[(3-methoxyphenyl)sulfonyl]phenyl]hydrazine via coupling with 1-benzylhexahydro-4-azepinone with subsequent cyclization and deprotection. The compds. of the invention are useful for treating anxiety, depression, schizophrenia, and other CNS disorders (no data). I are particularly useful for treating anxiety and/or depression.

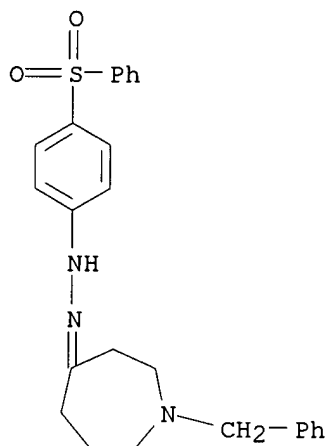
IT **321524-10-1P 321524-13-4P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(prepn. of arylsulfonylhexahydroazepino[4,5-b]indoles as CNS agents)

RN 321524-10-1 CAPLUS

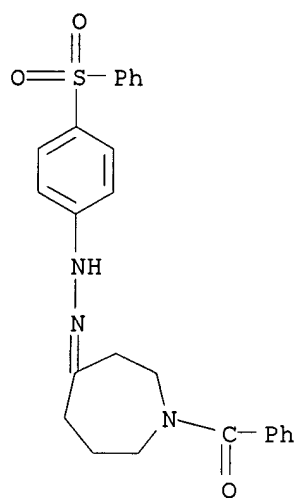
CN 4H-Azepin-4-one, hexahydro-1-(phenylmethyl)-, [4-(phenylsulfonyl)phenyl]hydrazone (9CI) (CA INDEX NAME)



RN 321524-13-4 CAPLUS

CN 4H-Azepin-4-one, 1-benzoylhexahydro-, 4-[[4-(phenylsulfonyl)phenyl]hydrazo
ne] (9CI) (CA INDEX NAME)

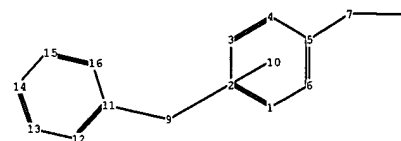
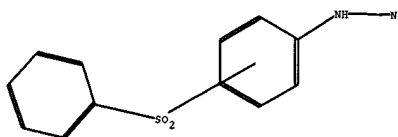
10/022,471



RE.CNT 121 THERE ARE 121 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

10020471

C:\STNEXP4\QUERIES\10020549.str



chain nodes :

7 8 9

ring nodes :

1 2 3 4 5 6 11 12 13 14 15 16

chain bonds :

5-7 7-8 9-11

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 11-12 11-16 12-13 13-14 14-15 15-16

exact/norm bonds :

5-7 7-8

exact bonds :

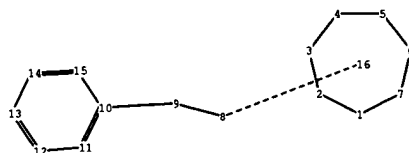
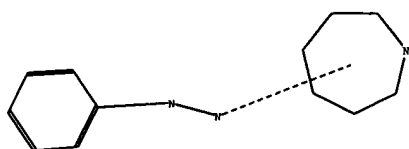
9-11

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 11-12 11-16 12-13 13-14 14-15 15-16

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS
 10:CLASS 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom



chain nodes :

8 9

ring nodes :

1 2 3 4 5 6 7 10 11 12 13 14 15

chain bonds :

8-9 9-10

ring bonds :

1-2 1-7 2-3 3-4 4-5 5-6 6-7 10-11 10-15 11-12 12-13 13-14
14-15

exact/norm bonds :

1-2 1-7 2-3 3-4 4-5 5-6 6-7 8-9 9-10

normalized bonds :

10-11 10-15 11-12 12-13 13-14 14-15

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:CLASS 9:CLASS
10:Atom 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS